

IAP11 Rec'd PCT/PTO 03 AUG 2006

Re. Box V**Reasoned statement with regard to novelty, inventive step and industrial applicability;****Citations and explanations supporting such statements**

1. Reference is made to the following documents:

D1 : WO 00/73204

D2 : WO 03/094226

2. INDEPENDENT CLAIM 1

2.1 The present application does not fulfill the requirements of Article 33(1) PCT because the object of claim 1 is not novel in the sense of Article 33(2) PCT. Document D1 discloses (the references in brackets relate to this document): A method for disposing a conductor structure (carbon nanotubes) on a substrate (abstract) with the following method steps:

- a) Establishing a separable connection between at least one transfer support (substrate) and the conductor structure (carbon nanotubes) (claim 1),
- b) Joining together the transfer support (substrate) with the conductor structure (carbon nanotubes) and the substrate (second substrate) so that a connection between the conductor structure (carbon nanotubes) and the substrate (second substrate) is established which is stronger than the separable connection between the transfer support (substrate) and the conductor structure (carbon nanotube) (Page 5 line 20 - Page 6 line 6).
- c) Separating the separable connection between the transfer support (substrate) and the conductor structure (carbon nanotubes) of the transfer support (substrate) with the connection between the conductor structure (carbon nanotubes) and the substrate (second substrate) remaining intact (claim 1).

The object of the **claim 1** is thus not novel (Article 33(2)).

3 INDEPENDENT CLAIM 20

3.1 The present application does not fulfill the requirements of Article 33(1) PCT because the object of claim 20 is not novel in the sense of Article 33(2) PCT. Document D2 discloses (the references in brackets relate to this document): a substrate with a

conductor structure (nanotube) which is connected on a substrate contact surface (conductor track) of the substrate and on at least one further substrate contact surface (conductor track) of the substrate to the substrate (claim 1, steps (a) and (b)), characterized in that the conductor structure (nanotube) between the two substrate contact surfaces (conductor tracks) features nanotubes which are aligned from the substrate contact surface to the further substrate contact surface (claim 5).

The object of the **claim 20** is thus not novel (Article 33(2)).

4 DEPENDENT CLAIMS 2-10,15-24

Claims **2-10, 15-24** do not contain any features, which in combination with the features of any claim to which they relate, fulfill the requirements of the PCT in relation to novelty or inventive step;

5 DEPENDENT CLAIMS 11-15

The combination of features contained in dependent **claims 11-15** is neither known from the available prior art nor is it approached by it. The reasons for this are as follows: None of the documents cited in the search report discloses or suggests the use of a macro molecule from the deoxyribonucleic acid group and/or protein as a transfer support substance for establishing a separable connection between a transfer support and a conductor structure.

From the description on pages 1, 2 and 9, 10 it emerges that the nanotubes are a follow-on feature for the definition of the invention. It is pointed out to the applicant that each independent claim must contain all technical features which are of significance for the definition of the invention (Article 6 PCT in conjunction with Rule 6.3 b) PCT).